

AMENDMENTS TO CLAIMS

1. (Currently Amended) A mechanism comprising a data transmission software in a memory of each of a plurality of local communication devices, and a data transmission interface in each device for respectively establishing a connection between said local devices through at least one local signal line, and effecting a data transmission between the plurality of local communication devices via the local signal line,

wherein in wirelessly transmitting data from one of the local devices to at least one remote device, said data transmission software divides the data into a plurality of units each having a predetermined size, a portion of said units being individually transmitted to another of said local devices through said local signal line, and said one of the local devices and said another local device transmitting said units through a wireless communication; ~~and~~

wherein in receiving data, said data transmission software in said one of said local devices and said another of said local devices receives said units sent from said at least one remote device, at least a portion of said received units being sent from said another of said local devices to said one of said local devices through said local signal line, and said data transmission software in said one of said local devices regrouping said units to recover original transmitted data, and

wherein in transmitting data from said one local device to said one remote device, input instructions provided by said data transmission software set said one local device as a master and said another local device as a slave, and wherein said data transmission software divides data into a plurality of units each having a predetermined size, individually transmits said units to said slave through said local signal line, and utilizing all channels belonging to said master and said slave for transmitting said units through said wireless communication.

3. (Previously Presented) The mechanism of claim 1, wherein said data transmission interface is a universal serial bus (USB) interface.

4. (Currently Amended) The mechanism of claim ~~2~~1, wherein when said data is divided into a plurality of units by said master a unique identification (ID) associated with one device is assigned to each unit, said master sends each unit to said corresponding slave based on said ID, said units received by said device are sent to said master for regrouping, and said data transmission software in said master assembles said units to recover said original data.

5. (Previously Presented) The mechanism of claim 1, wherein said one local device comprises a central processing unit (CPU) capable of transmitting a record of data by performing the steps of:

(a) inputting instructions provided by said data transmission software by keying on one device to set one device as a master and said other device as a slave;

(b) determining whether a division of data is necessary by said data transmission software in said master;

(c) if a division of data is necessary, dividing said data into a plurality of units and assigning a unique identification (ID) associated with said another local device to each unit;

(d) transmitting said units to said another local device through said local signal line; and

(e) transmitting said units by said another local device.

6. (Previously Presented) The mechanism of claim 5, wherein if a result in step (b) is negative, causing said master to transmit data.

7. (Previously Presented) The mechanism of claim 5, wherein said CPU is capable of receiving said record of data by performing the steps of:

(f) receiving said associated units as determined by said data transmission software;

(g) transmitting said units to said device set as said master through said local signal line;

and

(h) regrouping said units by said data transmission software in said master to recover said original data.

Serial Number 09/912,296

8. (Original) The mechanism of claim 1, wherein said device is a mobile phone and data transmitted on said mobile phone is divided into a plurality of units each having a predetermined size which is no more than a maximum size defined by an existing mobile phone communication protocol.